

## SPECIFICATION FOR APPROVAL

**CUSTOMER :**

**CUSTOMER PART NO:**

**SUPPLIER:JIAXING GLEAD ELECTRONICS CO.,LTD.**

**SUPPLIER PART NO:** DAML1L2RS4JM1\_J5M\_QZ

**DESCRIPTION:** 20mA(at3V)/28dB/5m(L)/SMA-J3

**REMARKS:**



<b>Customer Signature :</b>	<b>Customer Seal:</b>
<b>Supplier Signature:</b>	<b>Supplier Seal :</b>

**NOTE: Please return this copy as a certification of your approval !**

Prepared by: Zhu huiguang	Formed On: 2020.07.15	Add	No.66 ZhengyuanRoad,Tanghai Industrial Zone, Jiaxing, Zhejiang, China
		Tel	+86-573-83651818
		Fax	+86-573-83651858



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Zhu huiguang	Wu zhijun	Gao sheng

## 1、Electrical Characteristics

### 1.1 Antenna

1	Antenna Model	GPS: L2, (45mm*45mm*6mm) BD2:B1 , GPS:L1 G1: GLONASS (36mm*36mm*4mm)
2	Frequency Range	GPS:L1/L2 BEIDOU:B1 G1: GLONASS
3	Impedance	50Ω
4	Polarization	RHCP
5	V.S.W.R	≤2.0
6	Gain	2.0dBic(1197-1249 MHz) 3.0dBic(1559-1606 MHz) at Zenith Max
7	Axial Ratio	≤3dB: at Zenith

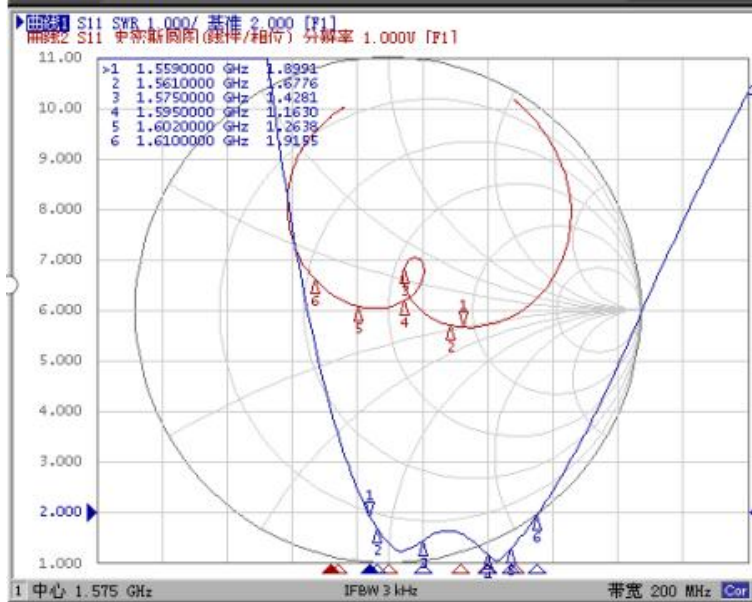
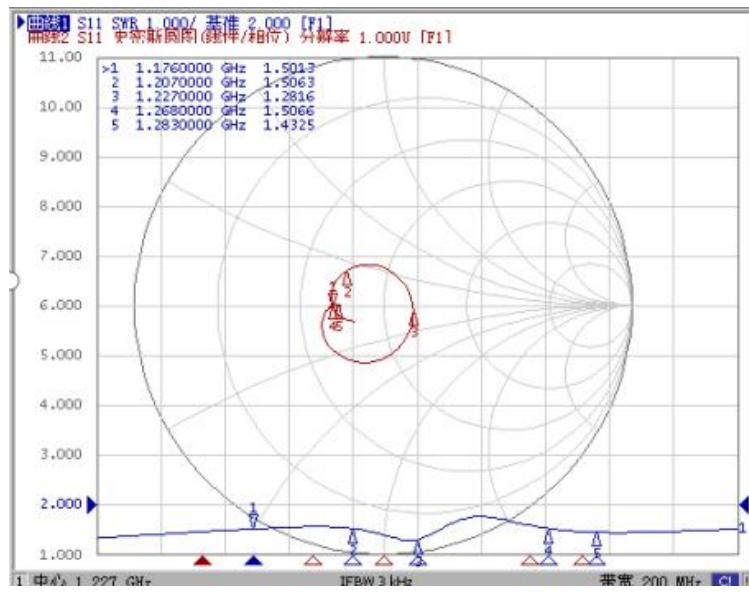
### 1.2 LNA

1	Frequency Range	GPS:L1/L2 BEIDOU:B1 G1: GLONASS
2	DC Voltage	3~5V
3	Gain	28±3dB
4	Out band Rejection (Absolute value)	L1 band ≥60dB( F±100MHz ) L2 band ≥70dB( F±100MHz )
5	Output (VSWR)	≤2.0
6	Noise Figure	L1 band ≤2.8dB L2 band ≤4.8dB
7	DC current	20±3mA (at3V)

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## 2、Patch Test curve

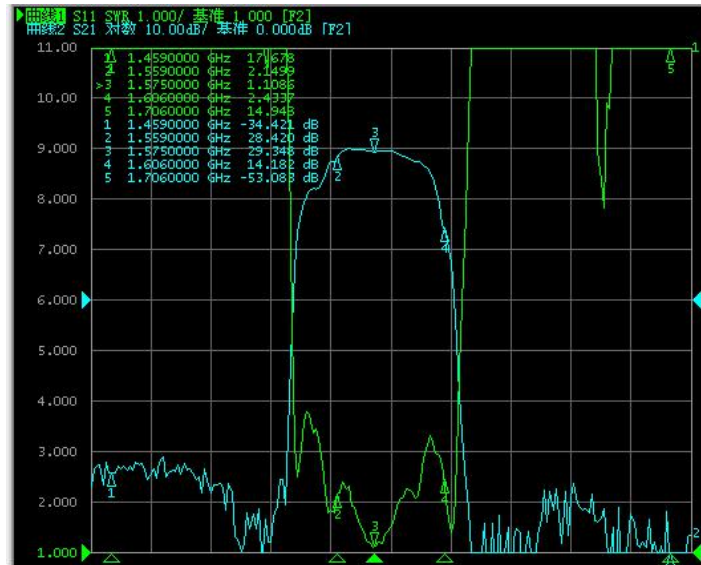
### VSWR



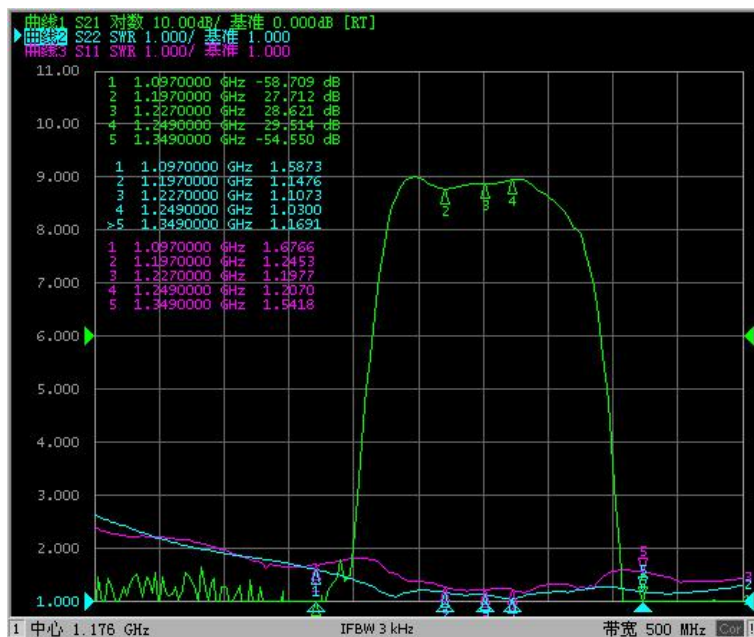
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### 3、LNA Test curve

#### 1) L1 band test curve (Gain)

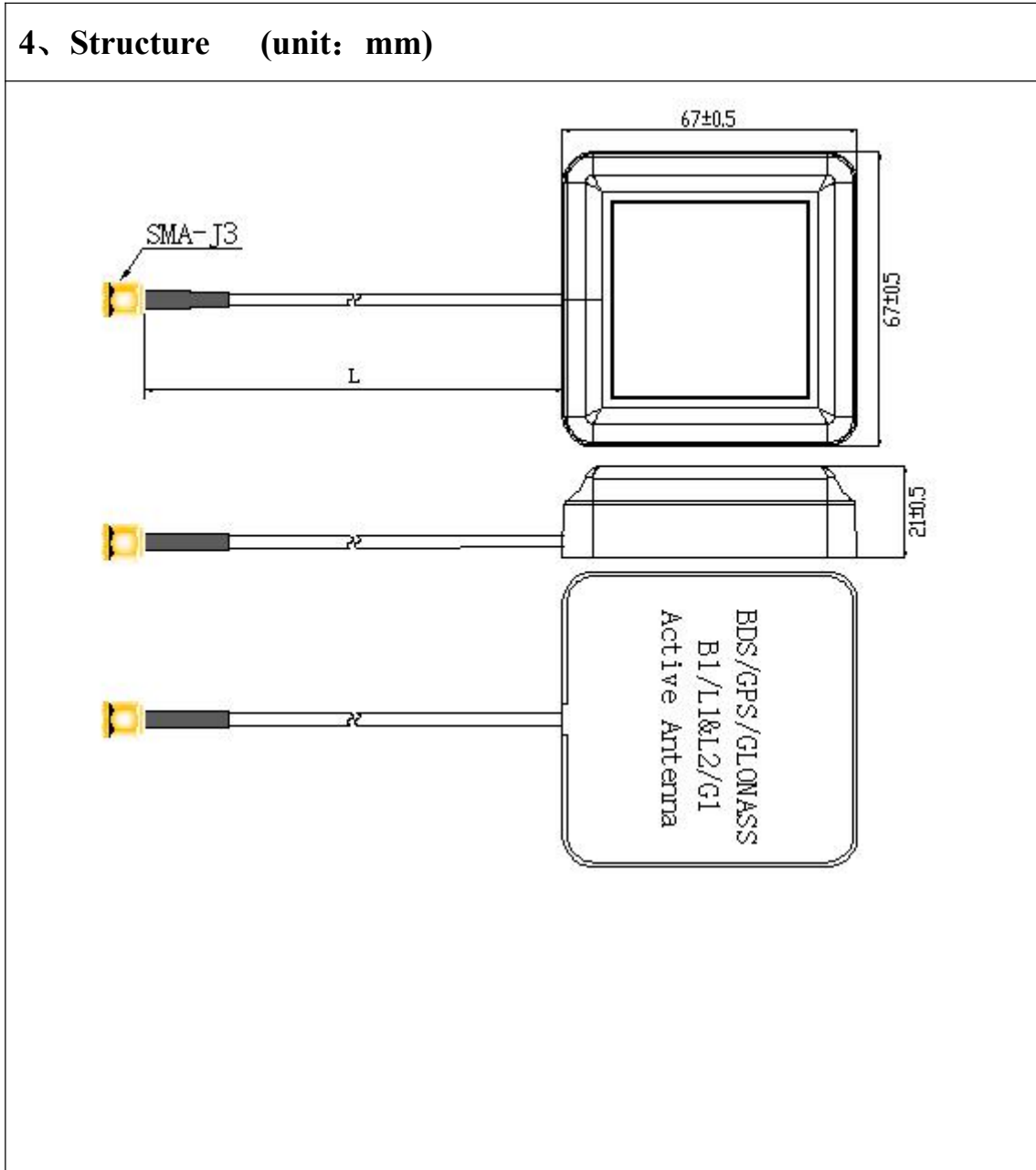


#### 2) L2 band test curve (Gain)



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#### 4、Structure (unit: mm)



$L = 5000 \pm 100$ MM

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### 5、Material

No	Part Name	SPEC
1	Antenna	Dielectric Ceramics
2	PCB	FR4
3	Shielding	Tinplate
4	RF Cable	RG174
5	RF Connector	SMA-J3
6	Circular magnets	NdFeB
7	Plastic shell	ABS

### 6、Environment Condition

1	Working Temp	-40℃~+85℃
2	Storage Temp	-40℃~+85℃
3	Vibration	Sine sweep 1g(0-p)
		10~55~10Hz each axis
4	International Protection	IPX7

### 7、Packing (If there are other customers packaging requirements specified in the order)

**Each carton includes 50PCS antenna, the size of carton is 630 \* 460 \* 105 mm.**



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## **8、 Note**

- 1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.
- 2、 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.
- 3、 Electrostatic sensitive device.Observe precautions for handling.